

# UNCOVERING RARE OBESITY® PROGRAM

List of genes or region reported:

Gene Symbol or Region (alternate*)	OMIM Gene Number
ADCY3	600291
AFF4	604417
ALMS1	606844
ARL6 (BBS3)	608845
BBIP1 (BBS18)	613605
BBS10	610148
BBS12	610683
BBS1	209901
BBS2	606151
BBS4	600374
BBS5	603650
BBS7	607590
BBS9 (PTHB1)	607968
BDNF	113505
CFAP418 (BBS21)	614477
CEP290 (BBS14)	610142
CPE	114855
CREBBP	600140
CUL4B	300304
DNMT3A	602769
DYRK1B	604556
EP300	602700
GNAS	139320
HTR2C	312861
IFT172 (BBS20)	607386
IFT27 (BBS19)	615870
IFT74 (BBS22)	608040
INPP5E	613037
ISL1	600366
KIDINS220	615759
KSR2	610737
LEP	164160
LEPR	601007
LZTFL1 (BBS17)	606568
MAGEL2	605283
MC3R	155540
MC4R	155541
MECP2	300005
MKKS (BBS6)	604896
MKS1 (BBS13)	609883

Gene Symbol or Region (alternate*)	OMIM Gene Number
MRAP2	615410
NCOA1 (SRC1)	602691
NR0B2	604630
NRP1	602069
NRP2	602070
NTRK2	600456
PCNT	605925
PCSK1	162150
PHF6	300414
PHIP	612870
PLXNA1	601055
PLXNA2	601054
PLXNA3	300022
PLXNA4	604280
POMC	176830
PPARG	601487
PROK2	607002
RAB23	606144
RAI1	607642
RPGRIP1L	610937
RPS6KA3	300075
SDCCAG8 (BBS16)	613524
SEMA3A	603961
SEMA3B	601281
SEMA3C	602645
SEMA3D	609907
SEMA3E	608166
SEMA3F	601124
SEMA3G	
SH2B1	608937
SIM1	603128
TBX3	601621
TRIM32 (BBS11)	602290
TRPC5	300334
TTC8 (BBS8)	608132
TUB	601197
UCP3	602044
VPS13B	607817
WDPCP (BBS15)	613580
16p11.2 chromosomal region <sup>†</sup>	611913 <sup>‡</sup>

\*Alternate gene symbols or phenotype abbreviations listed for clarity

<sup>†</sup>Assessment for rearrangement of the 16p11.2 chromosomal region

<sup>‡</sup>OMIM phenotype number

Gene symbols and alternative names may change and are current as of [April 2022].